

TWO DAY WORKSHOP

on

"INTERNET OF THINGS"

Registration Form

Full Name: _____

Designation: _____

Organization: _____

Address: _____

Mobile No: _____

Date: _____

Declaration: the information provided is true to best of my knowledge if selected I agree to abide by the rules and regulation I agree to abide by the rules and regulation of the Course and attend the course for entire duration

Place: _____

Date: _____

Signature of participant

About Department of ECE

The department offers undergraduate programme in Electronics and Communication Engineering. The Department has highly qualified, experienced and competent faculty members in the areas of Digital Image Processing, Applied Electronics, Digital Electronics, Microwave Communication, and VLSI & Embedded Systems. The department maintains several equipped laboratories for basic and advanced Electronics and Communications. The department has a separate Computer Center with Core2 Duo systems equipped with software applications and suites such as MATLAB, XILINX ISE and Multi-Sim packages. The department has a number of facilities with a substantial collection of teaching tools, instruments, equipment and computers for conducting experiments in different domains of Electronics and Communications Engineering.

Chief Patron

Prof.Dr. K.Chandrasekhar Naidu, Chairman

Patrons

D.Obulesu, Principal

Convener

Prof.L.Ramamurthy,
Prof.&HOD/ECE

Co-convener

Mr. T.Muni reddy
Assoc.Professor /ECE
Department of ECE,
Vemu Institute of Technology,
P.Kothakota-517112,
Pakala, Chittoor (Dist),Andhra Pradesh.
Email ID: vemuecedept@gmail.com
Mobile: 8886661104.

Eligibility:

This Workshop is open to faculty members of AICTE approved Engineering colleges, Research Scholars working in various fields of Electronics and Communication Engineering, persons from Industry, R & D organizations and PG scholars who have a genuine interest in the field Embedded systems

Registration:

- No registration fee/-
- The number of seats for the Workshop is limited to 30 and selection is based on first come first serve basis
- Registration link: <http://vemu.org/workshop.in/event-672>

Last date for filled in application: 01-05-2017

Accommodation

- boarding and lodging will be provided for outstation participants on payment basis

Location Map

Vemu Institute of Technology is located midway between Tirupati and Chittoor on the Highway. There are direct trains / buses to Tirupati or Chittoor from important cities like Hyderabad, Bangalore and Chennai. It is 4 hours journey by road from Bangalore, 3 hours from Chennai, 1 hour from Tirupati and 30 minutes from Chittoor.

Route Map to Vemu Institute of Technology

Tirupati ← 40Km 20Km → Chittoor



Vemu IT, P.Kothakota

ABOUT VEMU IT

VEMU Institute of Technology is one of the well known and finest technical institutions in Chittoor District, A.P. Beginning its quality inputs in 2008, it has attained ISO 2015:9001 certification for quality management within a short span of time. It is located on Tirupati - Chittoor highway on a beautiful 16 acre campus.

A diverse, talented community united by a passion for learning and quest for more, VEMU challenges its students to make a difference on its campus, in the region, and in the companies where ever they join. With unmatched results in every sphere of Education, its commitment to be the best has grown to transform its departments into centre of Excellence.

TOPICS TO BE COVERED:

- Introduction to the Internet of Things
- Blinking an LED with Arduino / ESP8266 / Particle Photon
- Working around with Various Sensors & Motors
Complete the IOT part locally)
- Introduction to Raspberry Pi- Unboxing & Installing the OS
- Basics of Python
- Introduction to MQTT Protocol
- Control things anywhere in the world
- Introduction to Industry 4.0 (IIoT).

RESOURCE PERSONS

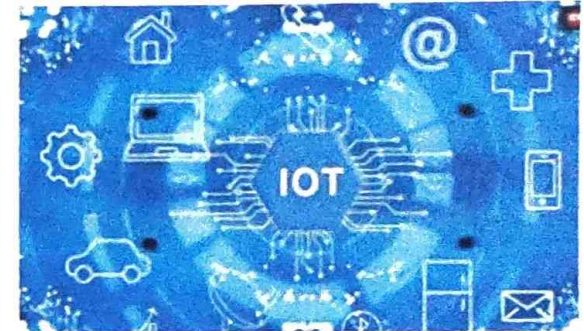
**Mr.AhmedNazer,
Manager,
Business Development,
smart bridge edu services
Hyderabad.**

**Mr.V.Srinath Rao,
Operation Manager,
Business Development,
smart bridge edu services
Hyderabad**

TWO DAY WORKSHOP

On
"INTERNET OF THINGS"

2nd & 3rd of MAY 2017



Organized by

**Department of Electronics
and Communication
Engineering,**



**VEMU Institute of
Technology,
P.Kothakota, Near Pakala,
Chittoor District,
Andhra Pradesh-517112.**



VEMU INSTITUTE OF TECHNOLOGY::P.KOTHAKOTA

NEAR PAKALA, CHITTOOR-517112

(Approved by AICTE, New Delhi & Affiliated to JNTUA, Anantapuramu)

Department of Electronics & Communication Engineering

Workshop Schedule

Title : “ IOT(Internet of Things)”

Date: 02/05/2017 & 03/05/2017

Resource Person : Mr.Ahmed Nazer, Manager, Smart Bridge edu services, Hyderabad

DAY-1(02-05-2017)

10 AM - Introduction to the Internet of Things

10.30 AM - Installing & Getting the required components & Software

11 AM - Architecture of IoT

12 AM - Blinking an LED with Arduino / ESP8266 / Particle Photon

1 PM - Lunch

2 PM - Working around with Various Sensors & Motors

- Soil Moisture Sensor for Smart Agriculture- Temperature / Pressure / Humidity Finder

- RFID access control- CO2 Gas detection sensor- Ultrasonic Radar creation

- Controlling Servo with Potentiometer

4 PM - Controlling 230V AC Current using Relay

5 PM - Complete the IOT part locally

=====

DAY-2(03-05-2017)

10 AM - Introduction to Raspberry Pi- Unboxing & Installing the OS

- Setting up the Environment

11 AM - Basics of Python

12 AM - Introduction to MQTT Protocol


1 PM - Lunch

2 PM - Control things anywhere in the world.

4 PM - Introduction to Industry 4.0 (IIoT).

5 PM - Test, Use cases, Summary & Feedback


CO-ORDINATOR


HEAD
CONVENOR
DEPARTMENT OF ECE
VEMU INSTITUTE OF TECHNOLOGY
P. KOTHAKOTA - 517 112

VEMU INSTITUTE OF TECHNOLOGY

NEAR PAKALA, CHITTOOR-517112

(Approved by AICTE, New Delhi & Affiliated to JNTUA, Anantapur)

www.vemu.org



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING ATTENDANCE SHEET - WORKSHOP

S.No.	Name of the Participant	02-05-2017		03-05-2017	
		FN	AN	FN	AN
1.	Mr P Vemmaiah	Vemmaiah	Vemmaiah	Vemmaiah	Vemmaiah
2.	Mr N Kiran kumar	Kiran	Kiran	Kiran	Kiran
3.	L Rama murthy	Ramamurthy	Ramamurthy	Ramamurthy	Ramamurthy
4.	Dr. S. Arun	Arun	Arun	Arun	Arun
5.	Dr.S.Vasantha Swaminathan	Vasanthan	Vasanthan	Vasanthan	Vasanthan
6.	Mrs. R.Rani	Rani	Rani	Rani	Rani
7.	Mrs. K.JayaSree	JayaSree	JayaSree	JayaSree	JayaSree
8.	Mr. H. ChandraSekhar	ChandraSekhar	ChandraSekhar	ChandraSekhar	ChandraSekhar
9.	Mr. C.S.Murali Mohan	Murali Mohan	Murali Mohan	Murali Mohan	Murali Mohan
10.	Mr. Y.Mahesh	Mahesh	Mahesh	Mahesh	Mahesh
11.	Mr. R. Mallikarjuna Reddy	Mallikarjuna Reddy	Mallikarjuna Reddy	Mallikarjuna Reddy	Mallikarjuna Reddy
12.	Mr. T.Muni Reddy	Muni Reddy	Muni Reddy	Muni Reddy	Muni Reddy
13.	Mrs. M.Poornima	Poornima	Poornima	Poornima	Poornima
14.	Ms. U Somalatha	Somalatha	Somalatha	Somalatha	Somalatha
15.	Mrs. S.Chandana	Chandana	Chandana	Chandana	Chandana
16.	Mr. K.Rohith	Rohith	Rohith	Rohith	Rohith
17.	Mrs. D.Reena	Reena	Reena	Reena	Reena
18.	Ms. J.V.Pesha	Pesha	Pesha	Pesha	Pesha

19	Mrs. M.Bhargavi	Rharae	Raku	Radau	Rayu
20	Mr.P.H.ChandraMouli	Mouli;	Mouli;	Mouli;	Mouli;
21	Mrs. P.Sirisha	Sevi	Sevi;	Sevi;	Sevi;
22	Mrs.C. Sai Pallavi	SP	SP	SP	SP
23	Mr. P Lokesh	PL	PL	PL	PL
24	Ms. V.Bharathi	Bharathi;	Bharathi;	Bharathi;	Bharathi;
25	Mrs. M.J.Chithraja	CA	CA	CA	CA

Pm Reddy
CO-ORDINATOR

[Signature]
CONVENER

HEAD
DEPARTMENT OF ECE
VEMU INSTITUTE OF TECHNOLOGY
P. KOTHAKOTA - 517 112

A REPORT ON
Two Day Workshop on
Internet Of Things - IOT
2nd of May 2017
&
3rd of May 2017

The Two Day Workshop on INTERNET OF THINGS - IOT was conducted by the Department of Electronics and Communication Engineering, in collaboration with Business Development, Smartbridge,edu.services,Pvt ltd from 2nd of may 2017 to 3rd of may 2017.

Co-Ordinators of this Workshop:

Mr. G RAJESH, Associate Professor and
Mr.H.Chandra Sekhar, Associate Professor

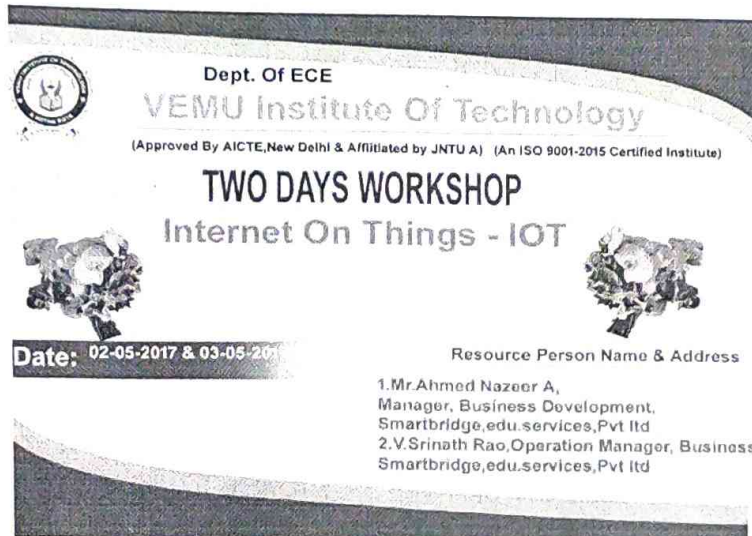
The Inaugural function of this workshop was held from 2nd May 2017 to 3rd May 2017. Principal and Patron Dr P KUMAR BABU was the chief guest of the function. Prof L Ramamurthy, Head, Electronics & Communication Engineering Department presided over the function.

The main objective of the workshop is to introduce the knowledge of a technology that in its most general form can be defined as Internet of one big winner in this entire ecosystem. IOT is creating new opportunities and providing a competitive advantage for businesses in current and new markets. It touches everything—not just the data, but how, when, where and why you collect it. The technologies that have created the Internet of Things aren't changing the internet only, but rather change the things connected to the internet—the devices and gateways on the edge of the network that are now able to request a service or start an action without human intervention at many levels.

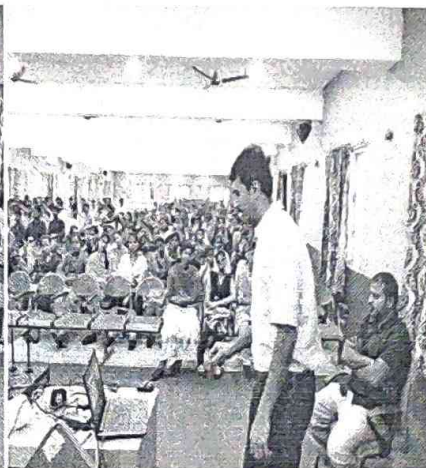
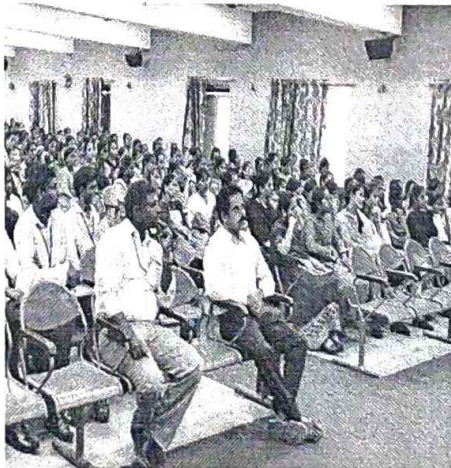
The second day section deals with the fundamental fabrication methods of INTERNET OF THINGS - Security needs to be built in as the foundation of IOT systems, with rigorous validity checks, authentication, data verification, and all the data needs to be encrypted. At the application level, software development organizations need to be better at writing code that is stable, resilient and trustworthy, with better code development standards, training, threat analysis and testing. As systems interact with each other, it's essential to have an agreed interoperability standard, which safe and valid. Without a solid bottom-top structure we will create more threats with every device added to the IOT. Later the participants were given hour theory session on the basis of "Latest Trends in Wireless Communications" by the mentor of two day workshop Mr.Ahmed Nazeer A, Manager, Business Development, Smartbridge,edu.services,Pvt ltd,V.Srinath Rao,Operation Manager, BusinessDevelopment,Smartbridge,edu.services,Pvt ltd.

The workshop aimed at providing hands on experience to the participants on the final section illustrates the challenges facing the INTERNET OF THINGS - IOT industry for the commercialization and success of INTERNET OF THINGS - IOT under the supervision of the designated mentors Ms. R.Rani, Mr. K.Rohith.

The workshop came to an end with a brief valedictory session which is followed by feedback from the participants. Most of them felt that such workshop are very useful in updating their knowledge on the latest technologies and are confident of handling effectively the newly introduced course on INTERNET OF THINGS - IOT.



The banner features the VEMU Institute of Technology logo on the left. The text reads: "Dept. Of ECE", "VEMU Institute Of Technology", "(Approved By AICTE, New Delhi & Affiliated by JNTU A) (An ISO 9001-2015 Certified Institute)", "TWO DAYS WORKSHOP", and "Internet On Things - IOT". There are two floral decorations on either side of the title. At the bottom left, it says "Date: 02-05-2017 & 03-05-2017". At the bottom right, under the heading "Resource Person Name & Address", it lists: "1. Mr. Ahmed Nazeer A, Manager, Business Development, Smartbridge, edu.services, Pvt Ltd" and "2. V. Srinath Rao, Operation Manager, Business Smartbridge, edu.services, Pvt Ltd".




COORDINATOR(S)


HOD
HEAD
DEPARTMENT OF ECE
VEMU INSTITUTE OF TECHNOLOGY
P. KOTHAKOTA - 517 112



VEMU INSTITUTE OF TECHNOLOGY

P KOTHAKOTA, NEAR PAKALA, CHITTOOR-517112

(Approved by AICTE, New Delhi & Affiliated to JNTUA, Anantapur)

CERTIFICATE OF PARTICIPATION

This is to certify that Dr./Prof./Mr./Ms./
Mrs. T. MUNIREDDY of
VEMU IT attended A Two days Workshop on “Internet of
Things” Organized by Dept. of Electronics and Communications Engineering in
association with “Smart Bridge Edu Services, Hyderabad” held between 02nd to
03th May 2017.


PRINCIPAL
VEMU INSTITUTE OF TECHNOLOGY
P. KOTHAKOTA

CO-ORDINATOR

HOD-ECE

PRINCIPAL



VEMU INSTITUTE OF TECHNOLOGY

P KOTHAKOTA, NEAR PAKALA, CHITTOOR-517112
(Approved by AICTE, New Delhi & Affiliated to JNTUA, Anantapur)

CERTIFICATE OF PARTICIPATION

This is to certify that [✓] Dr./Prof./Mr./Ms./
Mrs. K. ROHITH of
VEMU IT attended A Two days Workshop on “Internet of
Things” Organized by Dept. of Electronics and Communications Engineering in
association with “Smart Bridge Edu Services, Hyderabad” held between 02nd to
03th May 2017.

[Signature]
PRINCIPAL
VEMU INSTITUTE OF TECHNOLOGY
P KOTHAKOTA - 517 112

CO-ORDINATOR

HOD-ECE

PRINCIPAL